DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

ATTORNEY'S DOCKET NO.: SONYAK-160

N I	as a below-named inventor, I hereby My residence, post office address and citing believe I am the original, first and sole it sted below) of the subject matter which i	zenship are as stated below next to nventor (if only one name is listed	l below) or an original, first and joi	int inventor (if plural names are		
11.	OPTICAL COMMUNICATION	METHOD AND APPARATUS	S sought on the invention emitted.	_, the specification of which		
РС	is attached hereto was filed on April 2 T/JP01/03584 and was amended of	5, 2001 as United States A	pplication Number or PCT Interable).	rnational Application Number		
	hereby state that I have reviewed and ur mendment specifically referred to above.		e-identified specification, including	the claims, as amended by any		
I	acknowledge the duty to disclose inform	ation which is material to patentab	ility as defined in Title 37, Code of	Federal Regulations, § 1.56.		
co li	hereby claim foreign priority benefits un ertificate, or § 365(a) of any PCT intern sted below and have also identified belo aving a filing date before that of the appl	national application which designation any foreign application for pate	ted at least one country other than ent or inventor's certificate, or any	the United States of America,		
	PRIOR FOREIGN APPLICATION(S	S)	DATE OF FILING	·		
	COUNTRY	APPLICATION NUMBER	(month, day, year)	PRIORITY CLAIMED		
į	JAPAN	P2000-129077	April 28, 2000 /	YES Ø NO □		
				YES NO NO		
				YES NO		
	LISTING OF FOREIGN APPLICATION	ONS CONTINUED ON PAGE 3	HEREOF YES NO			
I a	Application hereby claim the benefit under Title 35, pplication designating the United States of	Number: Number: United States Code, §120 of any of America, listed below and, inso	Filing Date: Filing Date: United States application(s), or § 3 far as the subject matter of each of	365(c) of any PCT international the claims of this application is		
not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:						
τ	J.S. Parent Application Serial Number:	Parent Fi	ing Date:Pare	ent Patent No.:		
Ţ	J.S. Parent Application Serial Number:	Parent Fi	ing Date:Pare	ent Patent No.:		
P	PCT Parent Number: Parent Filing Date:					
LISTING OF US APPLICATIONS CONTINUED ON PAGE 3 HEREOF: YES NO						
	POWER OF ATTORNEY: As a named ransact all business in the Patent and Tra			prosecute this application and to		
N N G	awrence I. Lerner, Reg No. 19,516; Sidney David, Reg lelson, Reg. No. 26,573; Roy H. Wepner, Reg. No. 28,3 lo. 32,793; Daniel H. Bobis, Reg. No. 16,694; Keilh E. G fregory S. Gewirtz, Reg. No. 36,522, Jonathan A. David shanske, Reg. No P-43,915; Kimberly V. Flugger, Reg. I	i50, Stephen B. Goldman, Reg. No. 28,512, Pa Silman, Reg. No. 32,137; Robert B. Cohen, Reg d, Reg. No. 36,494, Shawn P. Foley, Reg. No.	aul H. Kochanski, Reg. No 29,660; Marcus J. Mi g. No. 32,768; Arnold B. Dompieri, Reg. No. 29,7 33,071; Thomas M. Palisi, Reg. No. 36,629; Jo	llet, Reg. No. 28,241; Bruce H. Sales, Reg. '36; Michael H. Teschner, Reg. No. 32,862,		
	SEND CORRESPONDENCE TO: LERNER, DAVID, LITTENBERG KRUMHOLZ & MENTLIK, LLP 600 South Avenue West	,	DIRECT TELEPHONE CALLS (name and telephone number)			
Ī	Westfield New Jersey 07090-	j	(908) 654-5000 Fax: (908) 654	1-7866		

DECLARATION -- Page 2

ATTORNEY DOCKET NO. SONY AK-160

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor's signature Residence: Tokyo, Japan FPX Citizenship: Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-0001 Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-0001 Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-0001 Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-0001 Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-0001 Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-0001 Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-0001 Japan Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-0001 Japan Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-0001 Japan Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-0001 Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-0001 Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-0001 Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-0001 Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-0001 Japan Citizenship: Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-0001 Japan Citizenship: Japan Citizenshi	
Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lai, Tokyo 141-0001 Japa Second Inventor's signature Residence: Kanagawa, Japan PP	2002
Post Office Address:	
Second Inventor's signature Working Kurk Second Inventor's signature Working Kurk Post Office Address: C/o Scry Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-001 Japa Post Office Address: C/o Scry Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-001 Japa Date Working Japan Post Office Address: C/o Scry Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-001 Japa Citizenship: Japan Post Office Address: C/o Scry Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-001 Japa Fourth Inventor's signature Residence: Tokyo, Japan Post Office Address: C/o Scry Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-001 Japa Citizenship: Japan Citizenship: Japan Post Office Address: C/o Scry Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-lu, Tokyo 141-001 Japa Pull name of fifth joint inventor (given name, family name): Yoshifumi MASUDA Fifth Inventor's signature For Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-lu, Osaka-shi, Osaka 545-8522. Bull name of sixth joint inventor, if any (given name, family name): Kazunata Date April 23 Citizenship: Japan Citizenship: Japan Citizenship: Japan Citizenship: Japan Citizenship: Japan Citizenship: Japan Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-lu, Osaka-shi, Osaka 545-8522. Bull name of seventh joint inventor, if any (given name, family name): Seventh Inventor's signature Residence: Nara Japan Citizenship: Japan	pan
Second Inventor's signature Residence: Kanagawa, Japan Post Office Address: Co Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: Co Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Fall name of third joint inventor, if any (given name, family name): Kazuyoshi HORIE Third Inventor's signature Residence: Tokyo, Japan Post Office Address: Co Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Fourth Inventor's signature Residence: Tokyo, Japan Post Office Address: Co Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: Co Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: Co Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: Co Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: Co Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Bull name of sixth joint inventor, if any (given name, family name): Kazuhiito NAGURA Sixth Inventor's signature Residence: Nara, Japan Post Office Address: Co Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Bull name of seventh joint inventor, if any (given name, family name): Seventh Inventor's signature Residence: Osaka Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Bull name of seventh joint inventor, if any (given name, family name): Seventh Inventor's signature Residence: Citizenship: Date Citizenship: Osaka 545-8522,	
Second Inventor's signature Residence: Kanagawa, Japan Post Office Address: Co Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: Co Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Pall name of third joint inventor, if any (given name, family name): Residence: Tokyo, Japan Post Office Address: Co Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: Co Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: Co Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Odull name of sixth joint inventor, if any (given name, family name): Kazuñiito NAGURA Sixth Inventor's signature Residence: Nara, Japan Post Office Address: Co Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Full name of seventh joint inventor, if any (given name, family name): Seventh Inventor's signature Poste Office Address: Co Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Full name of seventh joint inventor, if any (given name, family name): Seventh Inventor's signature Citizenship: Date Citizenship: Osaka 545-8522, Citizenship: Osaka 545-8522, Citizenship: Date Citizenship: Osaka 545-8522, Citizenship: Osaka 545-8522, Citizenship: O	
Residence: Kanagawa, Japan Post Office Address: C/o Sorty Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sorty Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sorty Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sorty Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sorty Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sorty Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sorty Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sorty Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sorty Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sorty Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sorty Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sorty Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-	200
Residence: Kanagawa, Japan Post Office Address: c/o Sorty Corporation, 7-35, Kitashinagawa 6-chone, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: c/o Sorty Corporation, 7-35, Kitashinagawa 6-chone, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: c/o Sorty Corporation, 7-35, Kitashinagawa 6-chone, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: c/o Sorty Corporation, 7-35, Kitashinagawa 6-chone, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: c/o Sorty Corporation, 7-35, Kitashinagawa 6-chone, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: c/o Sorty Corporation, 7-35, Kitashinagawa 6-chone, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: c/o Sorty Corporation, 7-35, Kitashinagawa 6-chone, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: c/o Sorty Corporation, 7-35, Kitashinagawa 6-chone, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: c/o Sorty Corporation, 7-35, Kitashinagawa 6-chone, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Office Address: c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Office Address: c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Office Address: c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Office Address: c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Office Address: c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Office Address: c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Office Address: c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Office Address: c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Office Address: c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Of	002
Post Office Address:	
Third inventor's signature Residence: Tokyo, Japan SPA Citizenship: Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Fourth Inventor's signature Residence: Tokyo, Japan SPA Citizenship: Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Pull name of fifth joint inventor (given name, family name): Yoshi fumi MASUDA Fifth Inventor's signature Fost Office Address: c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Cull name of sixth joint inventor, if any (given name, family name): Kažūnito NAGURA Sixth Inventor's signature Residence: Nara, Japan Post Office Address: c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Full name of seventh joint inventor, if any (given name, family name): Seventh Inventor's signature Residence: Osaka 545-8522, Citizenship: Japan Post Office Address: c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Full name of seventh joint inventor, if any (given name, family name): Seventh Inventor's signature Residence: Citizenship:	pan
Third inventor's signature Residence: Tokyo, Japan Tokyo	
Residence:	
Post Office Address:	
Fourth Inventor's signature Residence: Tokyo, Japan Post Office Address: Tokyo, Japan Tokyo 141-0001 Japan Post Office Address: Tokyo 141-0001 Japan Post Office Address: Tokyo 141-0001 Japan Tokyo 141-0001 Japan Tokyo 141-0001 Japan Post Office Address: Tokyo 141-0001 Japan Citizenship: Japan Citizenship: Date April 23 Post Office Address: Coo Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522 Post Office Address: Nara, Japan Citizenship: Date Citizenship: Citizenship: Citizenship: Citizenship: Citizenship: Citizenship:	
Residence: Tokyo, Japan Citizenship: Japan Citizenship: Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Pull name of seventh joint inventor, if any (given name, family name): Seventh Inventor's signature Date Citizenship: Date Residence: Citizenship: Citiz	hen
Residence: Tokyo, Japan Citizenship: Japan Citizenship: Japan Post Office Address: C/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Pull name of seventh joint inventor, if any (given name, family name): Seventh Inventor's signature Date Citizenship: Date Residence: Citizenship: Cit	
Residence: Tokyo, Japan Citizenship: Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: c/o Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001 Japan Post Office Address: C/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Dall name of sixth joint inventor, if any (given name, family name): Kažūhiito NAGURA Sixth Inventor's signature Residence: Nara, Japan Post Office Address: c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Post Office Address: c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Full name of seventh joint inventor, if any (given name, family name): Seventh Inventor's signature Date Citizenship: Citizenship: Citizenship: Citizenship: Date Citizenship: Citi	120
Post Office Address:	
Pull name of fifth joint inventor (given name, family name): Yoshifumi MASUDA Fifth Inventor's signature	
Residence: Nara, Japan Scoto Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522. Post Office Address:	T
Residence: Nara, Japan Score Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522. Post Office Address: c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522. Pull name of sixth joint inventor, if any (given name, family name): Kažūniito NAGURA Sixth Inventor's signature Residence: Nara Japan Scitizenshiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522. Full name of seventh joint inventor, if any (given name, family name):	
Post Office Address: c/o Sharp Kabushiki Kaisha, 22–22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545–8522. Dull name of sixth joint inventor, if any (given name, family name): Kazûñi'to NAGURA Sixth Inventor's signature	2002
Post Office Address: _c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522. Pull name of sixth joint inventor, if any (given name, family name): Kazûñïto NAGURA Sixth Inventor's signature	, 2002
Bull name of sixth joint inventor, if any (given name, family name): Kazûñifto NAGURA Sixth Inventor's signature	
Sixth Inventor's signature	Japan
Sixth Inventor's signature	
Sixth Inventor's signature	
Post Office Address: _c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Full name of seventh joint inventor, if any (given name, family name): Seventh Inventor's signature Residence: Citizenship:	2002
Post Office Address: _c/o Sharp Kabushiki Kaisha, 22-22, Nagaikecho, Abeno-ku, Osaka-shi, Osaka 545-8522, Full name of seventh joint inventor, if any (given name, family name): Seventh Inventor's signature	
Full name of seventh joint inventor, if any (given name, family name): Seventh Inventor's signature Residence: Citizenship:	.Japar
Seventh Inventor's signature Date Residence: Citizenship:	
Residence: Citizenship:	
Residence: Citizenship:	
LUST OTHER VARIES.	
Full name of eighth joint inventor, if any (given name, family name):	
Eighth Inventor's signature Date	
Residence: Citizenship:	
Post Office Address:	